

USDA Foreign Agricultural Service

# GAIN Report

Global Agricultural Information Network

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## Korea - Republic of

**Post:** Seoul

### 2014 Rice Production Update

**Report Categories:**

Grain and Feed

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**Report Highlights:**

On November 15, 2014, Statistics Korea (KOSTAT) released its revised rice production estimate of 4,240,739 metric tons. This figure represents a 0.3 percent increase above last year's crop despite a decline in rice acreage. This report is an update to the previous PSD (KS1444).

## General Information:

### Production

On November 15, 2014, Statistics Korea (KOSTAT) released its revised 2014 rice production estimate of 4,240,739 metric tons, a slight increase from the recent update of PSD (KS1444) due to continued favorable weather conditions until harvest completion. Since the initial crop survey of early September, the new figure represents an increase of 0.3 percent above last year's crop despite a decline in rice acreage. The PSD has been revised accordingly.

### Yield

Favorable weather developments increased rice yields to 520 Kg per 10 Ares, up 2.3 percent from the previous year, the highest since 2010.

Korea: Rice Area, Yield and Production			
Crop Year	Area (1,00HA)	Yield (KG/HA)	Production (Milled, 1,000 MT)
2005	980	4,900	4,768
2006	955	4,890	4,680
2007	950	4,640	4,408
2008	936	5,180	4,843
2009	924	5,318	4,916
2010	892	4,820	4,295
2011	854	4,946	4,224
2012	849	4,718	4,006
2013	833	5,081	4,230
2014	816	5,200	4,241

Source: Ministry for Agriculture, Food, and Rural Affairs (MAFRA)

Korea: 2014 Rice Area, Yield and Production			
Type of Rice Land	Area	Yield (KG/HA)	Production (Milled, MT)
Paddy Rice	814,334	5,204	4,237,538
Upland Rice	1,172	2,731	3,201
Total	815,506	5,200	4,240,739

Source: Ministry for Agriculture, Food, and Rural Affairs (MAFRA)

Korea: Rice Area and Production Estimate per Province (November 15 Crop Survey Basis)						
Crop Year	Area (Hectare)			Production (Milled, Metric ton)		
	2013	2014	Change (%)	2013	2014	Change (%)
National Total	832,625	815,506	-2.1	4,230,011	4,240,739	0.3
Kyonggi	88,949	86,472	-2.8	407,258	426,425	4.7
Kangwon	33,968	33,126	-2.5	159,030	176,588	11.0
Chungbuk	42,893	40,653	-5.2	220,383	215,456	-2.2
Chungnam	151,814	148,684	-2.1	823,526	835,669	1.5
Chonbuk	126,799	124,089	-2.1	680,501	679,393	-0.2
Chonnam	170,690	169,585	-0.6	822,795	809,201	-1.7
Kyounbuk	108,501	106,832	-1.5	572,207	570,082	-0.4

Kyongnam	77,732	76,158	-2.0	392,561	376,568	-4.1
Cheju	302	214	-29.1	858	625	-27.2
Cities <sup>1/</sup>	30,977	29,693	-4.1	150,893	150,732	-0.1

Source: Statistics Korea (KOSTAT)

1/ paddy land located in seven big cities such as Seoul, Pusan, etc.

### Production, Supply and Demand Data Statistics:

Rice PS&D

Rice, Milled Korea, Republic of	2012/2013		2013/2014		2014/2015	
	Market Year Begin: Nov 2012		Market Year Begin: Nov 2013		Market Year Begin: Nov 2014	
	USDA Official	New Post	USDA Official	New Post	USDA Official	New Post
Area Harvested	849	849	833	833	816	816
Beginning Stocks	755	755	780	780	858	814
Milled Production	4,006	4,006	4,230	4,230	4,180	4,241
Rough Production	5,405	5,405	5,632	5,632	5,573	5,638
Milling Rate (.9999)	7,412	7,412	7,511	7,511	7,500	7,522
MY Imports	510	510	310	240	410	560
TY Imports	580	580	330	400	450	470
TY Imp. from U.S.	161	191	0	42	0	150
Total Supply	5,271	5,271	5,320	5,250	5,448	5,615
MY Exports	2	2	2	2	2	2
TY Exports	2	2	2	2	2	2
Consumption and Residual	4,489	4,489	4,460	4,434	4,450	4,356
Ending Stocks	780	780	858	814	996	1,257
Total Distribution	5,271	5,271	5,320	5,250	5,448	5,615
1000 HA, 1000 MT, MT/HA						

### Appendix:

#### Applicable Milling Rate from Brown Rice to Milled Rice:

Based on the outcome of an industry survey in November 2011, the Ministry of Food, Agriculture, Forestry & Fisheries acknowledged that the current average milling rate (paddy to milled) was too high and considered lowering it from 74 percent to 72 percent to reflect current production practices. Local processors reportedly polished rice to a greater degree in response to consumer demand for well-milled high quality rice. As shown in the table below, milling is said to have climbed from 9 to 12 degrees. The higher you go up the 12 degree spectrum, the whiter the rice. The shelling rate to brown rice from paddy rice remains unchanged at 80 percent.

Korea: Milling Rate to Milled Rice from Paddy Rice (Percent)							
Degree(s)	1	2	5	7	9 <sup>a/</sup>	10	12 <sup>b/</sup>
% of Brown Rice Removed	0.8	1.6	4.0	5.6	7.2	8.0	9.6
% of Milled Rice Remaining	99.2	98.4	96.0	94.4	92.9	92.0	90.4
% of Shelling Rate	80	80	80	80	80	80	80
% of Milling Rate	79.36	78.72	76.80	75.52	74.32	73.60	72.32

Source: Statistics Korea (KOSTAT)

a/ milling rate applicable to date

b/ milling rate to be revised in the future

The Korean government released rice production statistics that show a comparison of milled rice production based on milling rates of 9 degrees and 12 degrees as below. The change in milling rates will result in a production decrease on average of about 2-3 percent. However, as MAFRA maintains its official data series based on 9 degrees, PSD milling rate figures follow it.

Korea: Rice Production Comparison per Milling Rate (1,000 MT, .9999)						
Crop Year	Area (1,000 HA)	Rough Rice	Based on 9 Degrees		Based on 12 Degrees	
			Milled Rice	Milling Rate	Milled Rice	Milling Rate
1995	1,056	6,389	4,694	7,347	4,568	7,150
1996	1,050	7,123	5,323	7,473	5,179	7,271
1997	1,052	7,315	5,449	7,449	5,302	7,248
1998	1,059	6,790	5,097	7,507	4,959	7,303
1999	1,066	7,066	5,263	7,448	5,121	7,247
2000	1,072	7,197	5,291	7,352	5,148	7,153
2001	1,083	7,407	5,515	7,446	5,366	7,244
2002	1,053	6,687	4,927	7,368	4,794	7,169
2003	1,016	6,151	4,451	7,236	4,331	7,041
2004	1,001	6,737	5,000	7,422	4,865	7,221
2005	980	6,435	4,768	7,409	4,640	7,211
2006	955	6,305	4,680	7,423	4,554	7,223
2007	950	5,962	4,408	7,393	4,289	7,194
2008	936	6,468	4,843	7,488	4,712	7,285
2009	924	6,502	4,916	7,561	4,787	7,362
2010	892	5,811	4,295	7,391	4,180	7,193
2011	854	5,616	4,224	7,521	4,110	7,318
2012	849	5,405	4,006	7,412	3,898	7,212
2013	833	5,632	4,230	7,511	4,116	7,308
2014	816	5,638	4,241	7,522	4,126	7,318

Source: Statistics Korea (KOSTAT)